Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

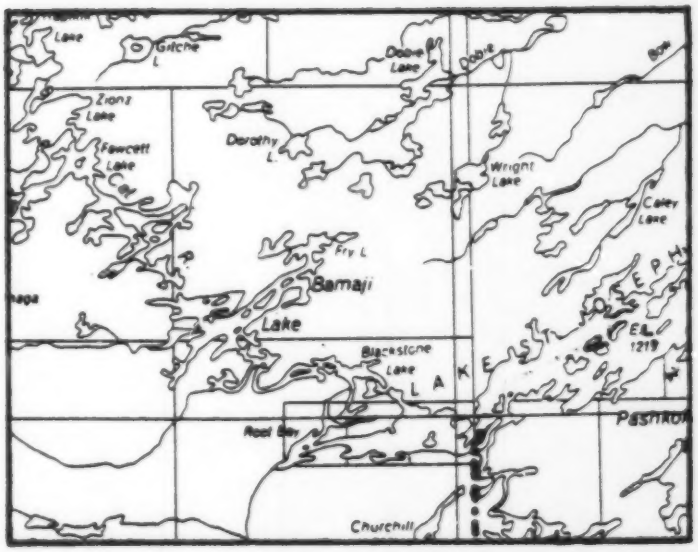
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 372

NABEMAKOSEKA LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 52F/06SW

Mining Claim Map Number G-2135

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1987: Nabemakoseka Lake Area, District of Kenora (Patricia Portion); Ontario Geological Survey, Geological Data Inventory Folio 372, Compiled by the staff of the Resident Geologist's Office, Sioux Lookout, 19p. and 2 maps.

Original Compilation by: Catharine J. Proctor

Date	Page Revised	Revised by	Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1
Exploration Data Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	CJP
2	Assessment Files Research Office, Toronto	N/A	CJP
3	ODM General Index; 7 volumes	YES	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	CJP
6	ODM Industrial Mineral Reports	NO	CJP
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	CJP
9	Newspaper Clippings File	NO	CJP
10	GSC Index to Publications	YES	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	CJP
12	OGS Index Maps	YES	CJP
13	Source Mineral Deposit Records (O.G.S.)	NO	CJP
14	Author - Subject Articles File	NO	CJP
15	Miscellaneous Papers: ODM & OGS	YES	CJP
16	ODM Geological Circulars: OGS Study Series	NO	CJP
17	ODM Preliminary Reports: ODM Bulletins	NO	CJP
18	ODM – OGS Open File Reports	YES	CJP
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	CJP
20	OGS Aggregate Resources Inventory Papers	NO	CJP
21	OGS Mineral Potential Maps	YES	CJP
22	Aerial photographs filed in the Sioux Lookout Office	NO	CJP
23	Unpublished Theses	NO	CJP

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . .Anhydrite
- Δ ank. . . . . .Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . .Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . .Arsenic
- Δ asp . . . . . .Arsenopyrite
- Δ asb . . . . . .Asbestos
- Δ ba. . . . . .Barite
- Δ be. . . . . .Beryl
- Δ Bi. . . . . .Bismuth
- Δ bn . . . . . .Bornite
- Δ bran . . . . . .Brannerite
- Δ bruc . . . . . .Brucite
- Δ Cd . . . . . .Cadmium
- Δ calc. . . . . .Calcite
- Δ carb . . . . . .Carbonate
- Δ cel . . . . . .Celestite
- Δ cc. . . . . .Chalcocite
- Δ cp. . . . . .Chalcopyrite
- Δ ch. . . . . .Chert
- Δ clay . . . . . .Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . .Columbite
- Δ Cu . . . . . .Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . .Feldspar
- Δ fl . . . . . .Fluorite (flurospar)
- Δ fu. . . . . .Fuchsite
- Δ gn. . . . . Galena
- Δ gt . . . . . Garnet
- Δ goe . . . . . .Goethite
- Δ Au . . . . . Gold
- Δ gf . . . . . .Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . .Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . .Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . Magnesite
- Δ mag . . . . . Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . .Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . .Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . .Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . .Niobium
- Δ Pd . . . . . Palladium
- Δ peat . . . . . .Peat
- Δ pent . . . . . Pentlandite
- Δ Pt. . . . . .Platinum
- Δ py . . . . . .Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . .Pyrolusite
- Δ po . . . . . .Pyrrhotite
- Δ q . . . . . Quartz
- Δ qcv . . . . .Quartz carbonate vein
- Δ ra. . . . . .Radioactive minerals
- Δ RE . . . . . .Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss . . . . . .Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . .Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . Silica
- Δ Ag . . . . . .Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . .Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . .Sphalerite
- Δ spd . . . . . .Spodumene
- Δ staur . . . . . .Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . .Stone
- Δ talc. . . . . .Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . .Thorite
- Δ Th . . . . . .Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . .Tourmaline
- Δ trap . . . . . .Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . .Uranium
- Δ verm . . . . . .Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . .Zinc
- Δ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

NABEMAKOSEKA LAKE AREA

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
NO DATA AS OF DECEMBER 1986					

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	GRAVITY		
COMPANY/AUTHOR (file number)																				
A	UNION MINIERE EXPL. C. L. (520/10SE-0011)	71							71	71										
B	COCHENOUR WILLANS G. (520/06SW-0010-A1)				70 72															
C	UMEX CORPORATION L. (520/06SW-0010-D1)				72															
D	COCHENOUR WILLANS GOLD COIN LAKE GOLD MINES L. (520/06SW-0011-A1)				72															
E	COCHENOUR WILLANS G. (520/06SW-0012-A1)	71											71							
F	COCHENOUR WILLANS G. (520/06SW-0012-B1)	71											71							
G	COCHENOUR WILLANS GOLD (520/06SW-0013)											72	72							
H	COCHENOUR WILLANS G. (520/06SW-0014)	72										72	72							
I	COMINCO LIMITED (520/06SW-0015)											79	79					79		

NABEMAKOSEKA LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
J	COMINCO LIMITED (520/07SW-0014)								78											
K	UNION MINIERE EXPL. C.L. (520/07SW-0015)								73											
L	SHERRITT GORDON MINES (520/03NW-0027)	84	84																	

Note: K refers to the whole area

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	COCHENOUR WILLANS G.	B-42-70-1A	1970	180	-45	6.0	130.0	py,po,sp	--
2		B-42-70-2	1970	--	-45	7.0	113.0	py,po,sp	--
3		B-42-70-3	1970	180	-45	22.0	59.0	py,sp,carb	--
3a		B-42-70-3A	1970	180	-60	6.0	158.0	py,po,cp,carb	--
4		B-42-70-4	1970	180	-50	3.0	58.0	py,sp,cp,po	--
5		B-42-70-5	1970	180	-45	15.0	57.0	py,sp	--
6		B-42-70-6	1972	180	-45	18.0	125.0	py,carb	--
6a		B-42-70-6A	1972	180	-50	18.0	101.0	--	--
7		B-42-70-7	1972	180	-45	15.0	126.0	carb,py,po, sp,cp	--
8	UMEX CORPORATION L.	C107	1972	--	-45	52.0	350.0	py,po	--
9	COCHENOUR WILLANS G.	B-44-72-1	1972	0	-45	8.0	230.0	py,po,sp,cp, gt	--
10		B-44-72-4	1972	177	-45	5.0	208.0	gt,py,po,cp, sp,mag	--
11		B-44-72-5	1972	35	-45	5.0	143.0	gt,po,cp,sp py,mag	--

GDIF FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
12	COCHENOUR WILLANS G.	B-44-72-11	1972	0	-45	5.0	101.0	py,po,sp,cp,gt	--
13		B-44-72-12	1972	0	-45	28.0	101.0	py,po,cp,gt	--
14		B-44-72-13	1972	0	-45	4.0	245.0	gt,py,po,cp,sp,mag,staur	--

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	BY: SPARTAN AERO LIMITED FOR: UNION MINIERE EXPL. (520/10SE-0011)	MAGNETOMETER, ELECTROMAGNETIC	150'	NE/SW NW/SE	¼ mile
2	BY: QUESTOR SURVEYS LIMITED FOR: COMINCO LIMITED (520/07SW-0014)	MAGNETOMETER	400'	E/W	660.0'
3	BY: CANICO FOR: UNION MINIERE EXPL. (520/07SW-0015)	MAGNETOMETER	400'	W/S	¼ mile

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
L	ROCK	MULTI-SPECTRAL ANALYSIS	SHERRITT GORDON MINES	RESIDENT GEOLOGIST'S OFFICE FILE (520/03NW-0027)

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
NO	DATA AS OF DECEMBER 1986			

GDIF FORM NO.6

10 NABEMAKOSEKA LAKE AREA

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

NO DATA AS OF DECEMBER 1986

ODM GENERAL INDEX SEARCH

Words searched: Dorothy Lake, Nabemakoseka Lake, Obaskaka Lake

Index Volume	Listing:	Report Volume	Part	Page
III	GEOLOGY OF THE CAT RIVER-KAWINOGANS LAKE AREA	XLIV	VI	p.57

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

NABEMAKOSEKA LAKE AREA

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
SAGE, R. P. BREAKS, F. W.	1982	GEOLOGY OF THE CAT LAKE - PICKLE LAKE AREA, DISTRICTS OF KENORA AND THUNDER BAY: ONTARIO GEOLOGICAL SURVEY, REPORT 207, 238p. ACCOMPANIED BY MAP 2218, AND CHARTS A,B & C.	G.R. 207	--
WALLACE, HENRY	1985	GEOLOGY OF THE SLATE FALLS AREA, DISTRICT OF KENORA (PATRICIA PORTION): ONTARIO GEOLOGICAL SURVEY REPORT 232, 85p. ACCOMPANIED BY MAPS 2481 and 2482.	G.R. 232 Maps 2481 and 2482	1:831,680
SAGE, R. P. BREAKS, F. W.	1976	OPERATION PICKLE LAKE, DISTRICTS OF KENORA PATRICIA PORTION, AND THUNDER BAY: ONTARIO DIVISION OF MINES, OPEN FILE REPORT 5180, 531p., 2 APPENDICES, AND 7 CHARTS	O.F.R. 5180	--
STOTT, G. M. LAROCQUE, C.	1983	PRECAMBRIAN GEOLOGY OF THE MEEN LAKE AREA, WESTERN PART, KENORA DISTRICT (PATRICIA PORTION), ONTARIO GEOLOGICAL SURVEY, MAP P.2619 GEOLOGICAL SERIES.	P.2619	1"=¼ mile 1:15,840
STOTT, G. M. LAROCQUE, C.	1983	PRECAMBRIAN GEOLOGY OF THE MEEN LAKE AREA, EASTERN PART, KENORA DISTRICT (PATRICIA PORTION): ONTARIO GEOLOGICAL SURVEY, MAP P.2620 GEOLOGICAL SERIES.	P.2620	1"=¼ mile 1:15,840
O.D.M.	1935	CAT RIVER - KAWINOGANS LAKE AREA, DISTRICT OF KENORA (PATRICIA PORTION), ONTARIO. MAP 44f; TO ACCOMPANY REPORT BY W. D. HARDING IN VOLUME XLIV, PART VI, ONTARIO DEPARTMENT OF MINES ANNUAL REPORT, 1935.	Map 44f	1"=2 miles 1:126,720
O.G.S.	1986	AIRBORNE ELECTROMAGNETIC AND TOTAL INTENSITY MAGNETIC SURVEY, PICKLE LAKE AREA, DISTRICT OF KENORA (PAT. PORTION), ONTARIO: (CONT'D)	Map 80897 80896	1:20,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
O.G.S. (CONT'D FROM PREVIOUS PAGE)	1986	BY GEOTERREX LIMITED, FOR ONTARIO GEOLOGICAL SURVEY, GEOPHYSICAL/GEOCHEMICAL SERIES		
SAGE, R.P. BREAKS, F.W. TROUP, W.	1972	CAT LAKE-PICKLE LAKE, GEOLOGICAL COMPILATION SERIES, KENORA AND THUNDER BAY DISTRICTS	Map 2218	1"=4 miles 1:253,440
SAGE, R.P. BREAKS, F.W. TROUP, W.	1973	OPERATION PICKLE LAKE, BAMAJI LAKE-LAKE ST. JOSEPH, DISTRICT OF KENORA (PATRICIA PORTION) ONTARIO DIVISION OF MINES, PRELIMINARY MAP P.808, GEOLOGICAL SERIES	P.808	1"=2 miles
SPRINGER, JANET	1978	ONTARIO MINERAL POTENTIAL, LAKE ST. JOSEPH SHEET, DISTRICTS OF THUNDER BAY AND KENORA (PATRICIA PORTION): ONTARIO GEOLOGICAL SURVEY PRELIMINARY MAP P.1542, MINERAL POTENTIAL SERIES	P.1542	--
SPEED, A. A.	1980	NABEMAKOSEKA LAKE AREA, DISTRICT OF KENORA (PATRICIA PORTION): ONTARIO GEOLOGICAL SURVEY PRELIMINARY MAP P.2094, SIOUX LOOKOUT DATA SERIES	P.2094	1"=¼ mile 1:15,840
ROBERTSON, JAMES A. VOS, M. A. SPRINGER, JANET	1976	MINERAL POTENTIAL MAP OF ONTARIO, 1976: WEST CENTRAL SHEET: ONTARIO DIVISION OF MINES, PRELIMINARY MAP P.1098, MINERAL DEPOSITS SERIES	P.1098	1"=16 miles 1:1,013,760
STOTT, G. M.	1984	REGIONAL STRATIGRAPHY AND STRUCTURE OF THE CENTRAL UCHI SUBPROVINCE: MEEN LAKE-KASAGIMINNES LAKE AND PASHKOKOGAN LAKE SECTIONS, p.7-14 IN SUMMARY OF FIELD WORK, 1984, ONTARIO GEOL. SURVEY, EDITED BY JOHN WOOD, OWEN L. WHITE, R.B.BARLOW, A.C.COLVINE (CONT'D)	M.P. 119	--

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
STOTT, G. M. (CONT'D FROM PREVIOUS PAGE)		ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS PAPER 119, 309p.		
G.S.C.	1963	GEOCHEMISTRY: COPPER IN BEDROCK, LAKE ST. JOSEPH, KENORA AND THUNDER BAY DISTRICTS, MAP 50-1963	Map 50-1963	1"=4 miles 1:253,440
G.S.C.	1960	GEOLOGY OF THE LAKE ST. JOSEPH AREA, KENORA AND THUNDER BAY DISTRICTS	Map 51-1960	1"=4 miles 1:253,440

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.9

NOTES AND ADDENDA

NO DATA AS OF DECEMBER 1986

GDIF FORM NO.10